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**DevOps Engineer**

**Professional Summary**

* 8+ years of expertise as a DevOps engineer in automating, creating, delivering, and releasing code from one environment to another.
* Knowledge of connecting Jenkins with **Docker containers** utilizing Cloud Bees Docker, Kubernetes pipeline plugin, and provisioning the EC2 instance using Amazon EC2 plugin.
* Administration, backup, and plugin expertise with Jenkins. Jenkins jobs were maintained, and development teams were assisted by using the master slave setup.
* Experience installing, configuring, tuning, and upgrading **Linux systems** (RedHat and Oracle).
* Executes essential system maintenance in compliance with Company change management rules, Sun and RedHat best practices, and RedHat best practices.
* AWS Cloud platform was implemented, together with all its capabilities, such as ECZ, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos calling, Cloud Front, IAM, S3, and R53.
* Created automated code build and deployment processes with Jenkins, Ant, Maven, Sonar type Nexus, Shell Script, Perl, and Java.
* Experience with Pivotal Cloud Foundry and **OpenShift/Kubernetes architecture** and design, troubleshooting platform components (PCF), and developing global/multi-regional deployment models and patterns for large scale Cloud Foundry and OpenShift/Kubernetes developments/deployments.
* JIRA was used to keep track of all active tasks and problem resolves.
* Experience with allocating Azure services to specific locations for integration with web apps and key vaults.
* Experience configuring a **CI/CD pipeline** using Jenkins to develop and run Terraform jobs to create infrastructure in AWS.
* Thorough knowledge of the guiding principles and ideal procedures for **Software Configuration Management** (SCM) procedures, which include assembling, packaging, deploying, and configuring applications.
* Good familiarity with the software development life cycle, SCM procedures, and methodology for build and release management.
* Used virtualized platforms with **Docker Engines** to containerize various programs.
* Proficiency in the design and implementation of DevOps, Continuous Delivery, Continuous Integration, and Continuous Deployment procedures for agile projects
* knowledge of **Jenkins/Hudson** and the **CI/CD techniques**.
* Wrote portions of the puppet manifests for installing, configuring, and handling the data for metric collecting and monitoring
* Quickly deploy essential apps using **Chef** as a configuration management tool.
* having experience using Terraform to automate VPs, ELBs, Security groups, SQS queues, and S3 buckets, as well as continuing to rewrite the infrastructure from scratch.
* Set up an automated framework for building, testing, and releasing software utilizing TeamCity, Jenkins as a code pipeline, SonarQube, and] Frog Artifactory to be activated on each code commit.
* To deploy new machines for clients, AWS and OpenStack. AWS's S3 Storage Services.
* Experience in Server setup automation (Puppet/Chef/Ruby), upkeep, and performance tuning
* practical knowledge of setting up and managing CI tools like Hudson/Jenkins, Team City, Bamboo, and ALM tools like Anthill Pro and TFS.
* Integrated code quality analysis techniques like Find Bugs, PMD.

TECHNICAL SKILLS:

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| --- | --- |
| Programming: | C | Python | SQL| Ruby| PowerShell | Bash |
| Aws: | IAM | EC2 | Cloud Watch | ELB | Elastic Beanstalk | VPC | S3 | EBS | Cloud Formation | AWS Storage Gateway | Autoscaling NLBALBRDS | SNS |Route 53 |
| Build tool: | Maven ANT |
| SourceControlTool: | Git | SVN |
| CI/CD tool: | Jenkins |
| Configuration tool: | Chef, Ansible, Puppet |
| Bug tracking tool: | Jira remedy |
| App& Web servers: | Tomcat, Apache, Atlassian JIRA: AppDynamics, Nagios, Splunk |
| Cloud technology: | Amazon AWS/EC2, VPC, EC2, S3, Route53, CloudWatch CloudFormation, SNS, Secrets manager |
| Provisioning tool: | Terraform, Cloud watch. |
| SDLC: | Agile, Scrum, Waterfall Virtualization: VMware, Docker |
| Monitoring tool: | AppDynamics, Nagios, Splunk |

**Professional Experience**

**Build/Release Engineer**

**Johnson & Johnson, New Jersey. December 2021 – Present**

**Responsibilities:**

* created and maintained the software release management and procedures.
* provided daily Subversion support for all relevant projects in a comprehensive manner.
* Chef was created and put into operation, along with the internal best practices, cookbooks, automatic cookbook Cl, and CD system. made use of Test-Kitchen for testing and development, Thor for versioning, Berkshelf for dependency management, and Jenkins for Chef CI.
* Helm-managed charts in Kubernetes. created repeatable builds of the Kubernetes applications, templated Kubernetes manifests, provided a set of configuration settings to modify the deployment, and Helm package releases that have been carefully controlled.
* production-ready Kubernetes cloud architecture with microservice container orchestration that is load-balanced, highly available, fault-tolerant, and auto-scaling was implemented.
* created clusters using Kubernetes and worked on authoring Yaml files to create several pods, replication controllers, replica sets, services, deployments, labels, health checks, and ingress.
* working understanding of Docker Hub, Docker Container network, and generating Image files largely for middleware installations and domain setups. Use Kubernetes for orchestrating Docker containers.
* participated in the development of the architecture and constructed the Minimum Viable Product (MVP) for the **Docker and Kubernetes containerization platform**.
* involved in creating a test environment using Docker containers and setting up the Kubernetes container in a Docker container.
* Created Puppet Manifests and modules to automate system operations.
* ﻿﻿Responsible for delivering an end-to-end continuous integration - continuous delivery system for the products in an agile development approach using Puppet and Jenkins.
* ﻿﻿Built Continuous Integration environment Jenkins, Artifactory and Continuous delivery environment using.
* Jenkins, Yum and Puppet.
* ﻿﻿Used Maven to build rpms from source code checked out from GIT and Subversion repository, with Jenkins being the Continuous Integration Server and Artifactory as repository manager.
* ﻿﻿Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.
* End-to-End Automation was implemented using automation tools such as Hudson, Jenkins, and Build Forge Implemented cloud services such as IAAS, PAAS, and SaaS, as well as Open stack, Docker, and OpenShift.
* AWS and OpenStack are used to provision new machines for clients. Amazon Web Services S3 Storage Services.
* Server provisioning, automation (Puppet/Chef/Ruby), maintenance, and performance tuning
* Hands-on experience deploying and administering CI tools such as Hudson/Jenkins, Team City, Bamboo, and ALM products such as Anthill Pro and TFS.

**DevOps Engineer**

**Fidelity Investments, Dallas, TX. March 2018 – December 2021**

**Responsibilities:**

* Used Shell scripting to automate development and deployment operations.
* Used Jenkins, Harness, and GitHub, we built a completely automated build and deployment platform and coordinated code builds, promotions, and orchestrated deployments.
* Images and delivers new Windows 10 PCs, as well as installation assistance to users.
* utilizing several platforms, such as Java, .NET, Visual Basic, and Visual C++.
* built Jenkins scripts to generate AWS infrastructure from terraform code repositories on GitHub.
* Setup Jenkins for continuous integration with local Maven repositories, multi-component ANT projects with Nexus repositories, and scheduled projects.
* Supporting new application features and managing the application via automated deployment techniques required close collaboration between developers and testers’ Puppet, Puppet Dashboard, and Puppet DB were installed on the already-existing infrastructure to handle configuration.
* Jenkins integration of the build process with several SCM applications like GitHub and SVN.
* updating current TFS instances at various clients to the newest version.
* Designed/created automated builds and deploys utilizing MS Build, Ant, JACL, VBScript, Nant, and PowerShell Scripting in collaboration with several development groups.
* worked on log management tools including Logstash, fluent, syslog, and Elasticsearch.
* used Nagios to manage and keep an eye on the server and network infrastructure.
* developed a CI/CD pipeline using Jenkins and Chef to carry out the automation from commit to deployment.
* Setup of Chef Infra, bootstrapping of nodes, creation and upload of recipes, and node convergence in Chef SCM were all worked on.
* Developed Chef Cookbooks, Ruby recipes to automate the configuration of new environments and the installation of middleware infrastructure such as Apache Tomcat and JDK.
* O Configured Jenkins to use Meta Case Software to produce Java code and completed C.I work with the resulting Java code.
* Built a CI/CD pipeline using Jenkins that speeds up product deployment and enables far better testing of every step of the deploy process.
* Jenkins was integrated with GitHub, Cron jobs were periodically scheduled using poll SCM, and Groovy scripts were written for a CI/CD pipeline to enable Jenkins build automation.
* worked on scripting languages for automation, including Shell (Bash), Python, Ruby, and Perl.
* With knowledge of WebLogic 9.x and 10., Jenkins was used to automate the deployment of zero downtime code using Python and bash/shell scripts.
* knowledge of integrating Maven with Jenkins to manage repository managers like Nexus for Maven builds and generate Surefire test reports.
* Participated in scrum meetings, product backlog, and other scrum activities and artifacts with the team.
* Collaboration with product development is required to resolve build-related challenges in all projects.

**DevOps Engineer**

**Informatica, IBM, Bangalore June 2014 – December 2017**

**Responsibilities:**

* Created clusters using Kubernetes and worked on building Yam files to create several pods, replication controllers, replica sets, services, deployments, labels, health checks, and ingress.
* Spinnaker, a platform for continuous delivery, executes prod deployment and bakes the image. Setting the stable image that manages releases.
* working understanding of Docker Hub, Docker Container network, and generating Image files largely for middleware installations and domain setups. examined Kubernetes for Docker Container Orchestration.
* participated in the development of the architecture and constructed the Minimum Viable Product (MVP) for a containerization platform using Docker and Kubernetes.
* involved in creating a test environment utilizing Docker containers and setting up the containers using Kubernetes.
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
* Utilizing Jenkins, I've implemented and maintained CI environments and have carried out deployments, packaging, build optimization, production rollouts, staging, defect tracking, smoke testing, operation support, and service delivery using web/app servers like] Boss, Tomcat, WebLogic, and WebSphere.
* extensively used PowerShell to automate SQL processes, procedures, and duties related to environment management on Windows machines.
* Pipelined application logs from app servers to Elasticsearch (ELK Stack) using Logstash, then monitored application performance and analyzed log information using ELK and network characteristics using the NAGIOS monitoring system.
* Kubernetes was used to automate Docker container deployment, scalability, and administration.
* The Kafka message failure cases were identified using Kibana and Elastic search. Reprocessing of failure messages in Kafka using offset id has been implemented.
* Local Kubernetes deployments were managed, including the creation of a local cluster and the deployment of application containers.
* Worked on WebLogic 9.x/10. to build zero downtime deployment utilizing python and bash/shell scripts, as well as Jenkins to automate it.
* Worked on projects that needed to be migrated from.NET framework 2.0 to.NET framework 4.0 (Visual Studio 2003 to Visual Studio 2010).